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Amendments to the Claims

This Listing of the Claims will replace all prior versions, and listings, of claims in the present Application.

Listing of Claims

1. (Currently amended) A method of treatment of an extracorporeal organ that is a donated transplantation organ and is outside the donor's body or isolated organ of a patient that is inside or attached to a patient's body but is isolated from the patient's blood supply, said method comprising contacting the extracorporeal organ or the isolated organ with a composition including a metal carbonyl compound or pharmaceutically acceptable salt thereof and at least one pharmaceutically acceptable carrier wherein the metal carbonyl or pharmaceutically acceptable salt thereof makes available carbon monoxide to limit post ischaemie post-ischemic damage to said extracorporeal organ or said isolated organ.

2. (Canceled)

- 3. (Currently amended) A method according to claim 1, wherein said metal carbonyl makes CO available by at least one of the following means:
- CO derived by dissociation of the metal carbonyl is present in the composition in dissolved form; on contact with a solvent the metal carbonyl releases CO;
- on contact with a tissue, organ or cell the metal carbonyl releases CO;
- on irradiation, the metal carbonyl releases CO.
- (Currently amended) A method according to claim 1_a wherein treatment is of said extracorporeal organ.
- (Currently amended) A method according to claim 1_s wherein treatment is of said isolated organ.

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 (Currently amended) A method according to claim 1, wherein the contacting step includes perfusing said organ with said composition.

7. (Currently amended) A method according to claim 1, wherein the metal carbonyl is a compound of the formula M(CO)_xA_{yx} where x is at least one, y is at least one, M is a metal, the or each A is an atom or group bonded to M by an ionic, covalent, or coordination bond, but is not CO, and in the case where y>1, each A may be the same or different, or a pharmaceutically acceptable salt of such a compound.

8. (Currently amended) A method according to claim 7, wherein M is a transition metal.

 (Currently amended) A method according to claim 7, wherein A is selected from neutral or anionic ligands such as halide or derived from Lewis bases and having N, P, O, S₂ or C as the coordinating atom.

10. (Currently amended) A method according to claim 12 wherein the metal carbonyl compound has the formula;

M(CO)_x A_yB_{za} where

M is Fe, Co, or Ru,

x is at least one.

y is at least one,

z is zero or at least one,

each A is a ligand other than CO and is monodentate or polydentate with respect to M and is selected from the amino acids:

alanine.

arginine,

asparagine asparagines,

aspartic acid,

cysteine,

glutamic acid,

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glutamine,

glycine,

histidine.

isoleucine.

leucine.

lysine,

methionine.

phenylalanine,

proline,

serine.

threonine

tryptophan Tryptophan,

tyrosine Tyrosine,

valine Valine,

[O(CH2COO)2]2-, and

[NH(CH2COO)2]2-, and

B is optional and is a ligand other than CO.

11-15. (Canceled)

- 16. (Currently amended) A method of treatment of an extracorporeal organ that is a donated transplantation organ and is outside the donor's body, said method comprising contacting the extracorporeal organ with a composition including a metal carbonyl compound or pharmaceutically acceptable salt thereof and at least one pharmaceutically acceptable carrier, at a temperature in the range of 2 to 10°C, wherein the metal carbonyl makes available carbon monoxide to limit postischemic post-ischaemie damage of said extracorporeal organ,
- 17. (Currently amended) A method according to claim 16, wherein said metal carbonyl makes CO available by at least one of the following means:

CO derived by dissociation of the metal carbonyl is present in the composition in dissolved form;

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- on contact with a solvent, the metal carbonyl releases CO;
- on contact with a tissue, organ, or cell, the metal carbonyl releases CO;
- on irradiation, the metal carbonyl releases CO.
- (Currently amended) A method according to claim 16, wherein the contacting step includes perfusing said organ with said composition.
- 19. (Currently amended) A method according to claim 16₂ wherein the metal carbonyl is a compound of the formula M(CO)_xA_{y2} where x is at least one, y is at least one, M is a metal, the or each A is an atom or group bonded to M by an ionic, covalent, or coordination bond, but is not CO, and in the case where y>1_x each A may be the same or different, or a pharmaceutically acceptable salt of such a compound.
- 20. (Currently amended) A method according to claim 19, wherein M is a transition metal.
- (Previously presented) A method according to claim 19, wherein each A is separately selected from neutral or anionic ligands.
- 22. (Currently amended) A method of claim 21, wherein each A is separately a halide or is derived from a Lewis base and has N, P, O, S, or C as the coordinating atom.
- (Currently amended) A method according to claim 16, wherein the metal carbonyl compound has the formula;

M(CO)_X A_yB_z, where

M is Fe, Co, or Ru,

x is at least one.

y is at least one,

z is zero or at least one,

each A is a ligand other than CO and is monodentate or polydentate with respect to M and is alanine, arginine, asparagine asparagines, aspartic acid, cysteine, glutamic acid, glutamine, glycine, Docket No.: H0817.70001US00

histidine, isoleucine, leucine, lysine, methionine, phenylalanine, proline, serine, threonine, tryptophan, tyrosine, valine, $[O(CH_2COO)_2]^2$, or $[NH(CH_2COO)_2]^2$, and B is optional and is a ligand other than CO.